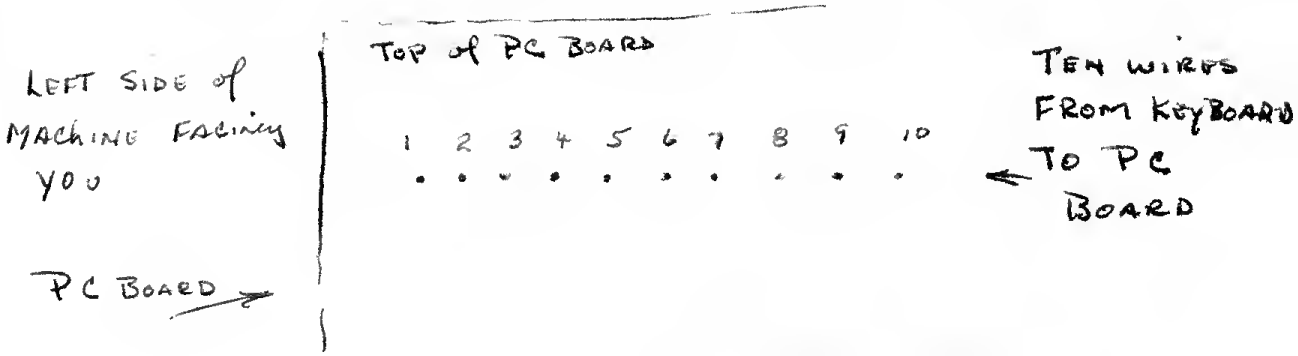
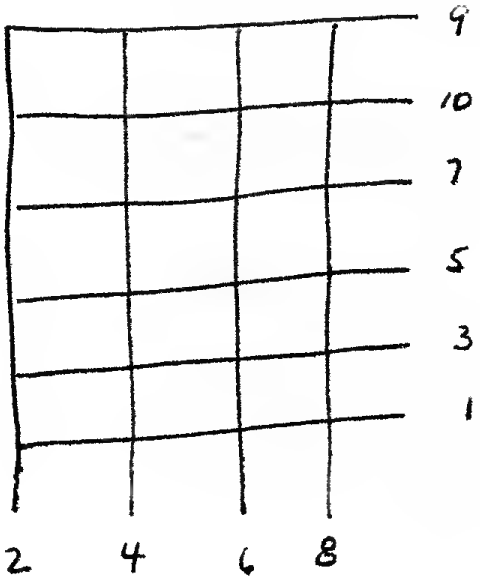
July 23, 1979

Bob, Mulholland

The 10 wire keyboard is arranged like this:



KeyBoard Matrix:



Shorting # 1 with # 2, 4, 6, or 8 preforms shift

Shorting other combinations give letter, number, words

Example:

#1/#4 = Shift to Red Letters

Then 6/10 = Letter H

4/10 By Themselves = 8

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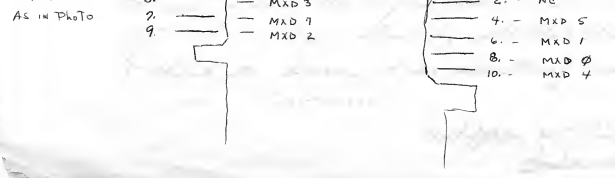
July 1 1979

Bob.

I may be re-hashing old information, but what the heck it's sunday afternoon. The schematics to our Bally's show a 10 pin and 26 pin port in addition to the IEE 488 port. So, I took mine apart to install a LED (To show the kids when the unit is ON) and traced the 10 pin port. It appears to me that port is a 8 bit parallel port, the 26 pin port is ~~a~~ RAM access. I know we talked about them ports as test ports during production, but I wonder if our designer types might drew up a memory addition with them.

My machine did not have the 26 pin port as shown in the photo on page 14 of service manual. This would still be only a small inconvenience because the pin numbers and functions are shown on the schematic. Below is a pin layout of the 10 pin port:



The service manual refers to this data as MUXD0 - MUXD7 of the I/O chip, pg 12.

Has anyone used a light pen? If so what kind, ect.

I ran across a source of short tape cassettes that might be of use. The tapes are 10 min tapes, 5 on each side and best of all the cases are put together with screws, so you could replace the tape or any other part. They are used and out of 15 only one was unusable.

Contact: B+F ENTERPRISES
119 FOSTER ST
PEABODY, MA. 01960
617 531 5774
AMEX, VISA, MASTERCHARGE

STOCK NO 9M10015 IS FOR $5.00

OR yes, I put the "ON" LED across C10 with a 4700Ω ¼ resistor to limit current to approx 2.5 ma. observe polarity of LED

I typed a letter to Mr Nieman as suggested but failed to mention a key point. I wonder if you might mention some special consideration to us when the expansion unit is available. After all we have stood by all this time, so I think a discount or something would not be asking too much.

Out of paper, out of time, out of ideas.
Best wishes, Ed Hallbeck